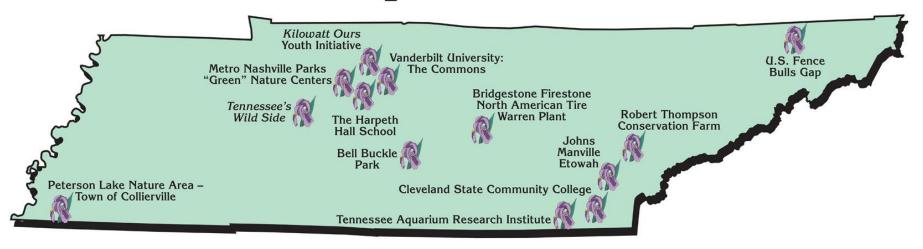


Governor's Environmental Stewardship Awards

2008 Governor's Environmental Stewardship Award Winners





About the Awards

Each year, the Tennessee Department of Environment and Conservation recognizes many voluntary efforts of individuals, organizations, local governments, and companies that enhance our environment and natural resources. The winners of the Governor's Environmental Stewardship Awards represent the very best achievements in Tennessee.



Excellence in Agriculture/Forestry Stewardship

Robert Thompson Conservation Farm Niota





Oostanaula Creek ← 2007

After

2008 →

Rotational Grazing Technology





Malone Springs and Springhouse



Robert Thompson and Will Thompson at a stream crossing excluding cattle



Excellence in Agriculture/Forestry Stewardship



(I-r) Deputy Commissioner Paul Sloan, Robert Thompson; Owner, Lori Munkeboe; Director of the Office of Environmental Assistance



Excellence in Agriculture/Forestry Stewardship

Robert Thompson Conservation Farm Niota

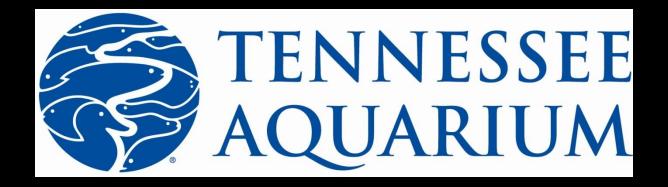


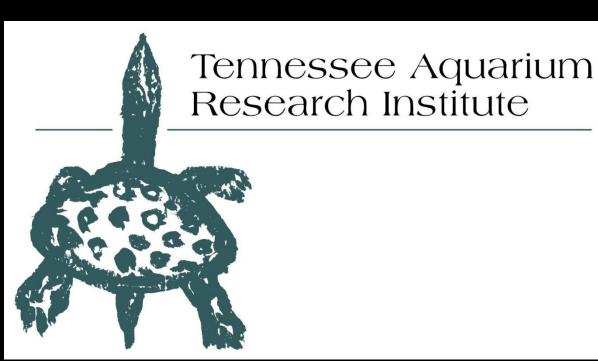
Governor's Environmental Stewardship Awards



Excellence in Aquatic Resource Preservation

Tennessee Aquarium Research Institute

















Excellence in Aquatic Resource Preservation



(I-r) Deputy Commissioner Paul Sloan, Dr. Anna George; Director of the Tennessee Aquarium Research Institute,

Lori Munkeboe; Director of the Office of Environmental Assistance



Excellence in Aquatic Resource Preservation

Tennessee Aquarium Research Institute



Governor's Environmental Stewardship Awards



Excellence in Building Green

Metro Nashville Parks "Green" Nature Centers

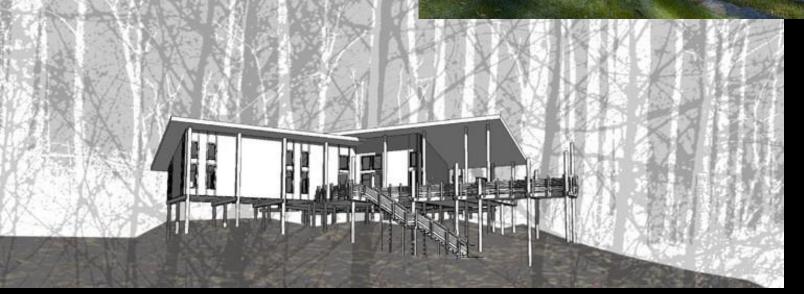




Shelby Bottoms Nature Center

Beaman Park Nature Center







Bells Bend Outdoor Center



Compact Fluorescent Fixtures, Ceiling Fans, Natural Daylighting and Operable Windows

Green Roof





Geothermal system for heating and cooling. Three 300 foot wells were dug and pipes installed which will use the earth's constant temperature to save energy.





The buildings themselves are part of the educational exhibit for visitors at each center

Excellence in Building Green



(I-r) Gwen Griffith; Director of the BOB Program with the Cumberland River Compact, Sandy Bivens; Superintendent of Nature Centers, Tim Netsch; Superintendent of Planning, Nancy Dorman; President of Friends of Beaman Park, Deputy Commissioner Paul Sloan; TDEC, Denise Weyer; Director of the Shelby Bottoms Nature Center, Vera Vollbrecht; Director of the Warner Park Nature Center, LinnAnn Welch; Director of the Bells Bend Nature Center, Bob Parrish; Superintendent - Natural Resource Management, Lori Munkeboe; Director of the Office of Environmental **Assistance**



Excellence in Building Green

Metro Nashville Parks "Green" Nature Centers



Governor's Environmental Stewardship Awards



Excellence in Energy Leadership

Cleveland State Community College



Cleveland State Community College Moving Towards Zero Energy Homes in the Tennessee Valley

High School Program

- Introduce Zero Energy Objectives
- Construction Materials
- PV Panel Installation
- Solar Water Heating Installations
- Prepare Students for CSCC Programs

Construction Technology Program

- 1 Year Certificate Program
- 2 Year Degree Program
- Scholarships for One Year Program
- Groundwork for PV Installation Certification

Architectural

- · Drawing
- Commercial Planning

Engineering

- · Computer Aided Design Construction
- Techniques and Methods
- Cost Estimating
- Standard Building Codes
- Renewable Energy
- PV Panel Installation
- Energy Efficient Construction
- Contracting

Cleveland State is offering a community based job training program through a grant from the U.S. Department of Labor to promote energy efficient residential construction technologies and practices.



A Cleveland State Technology Department Program.







Cleveland State is partnering with Habitat for Humanity to provide opportunities for handson experience with many construction materials and methods.

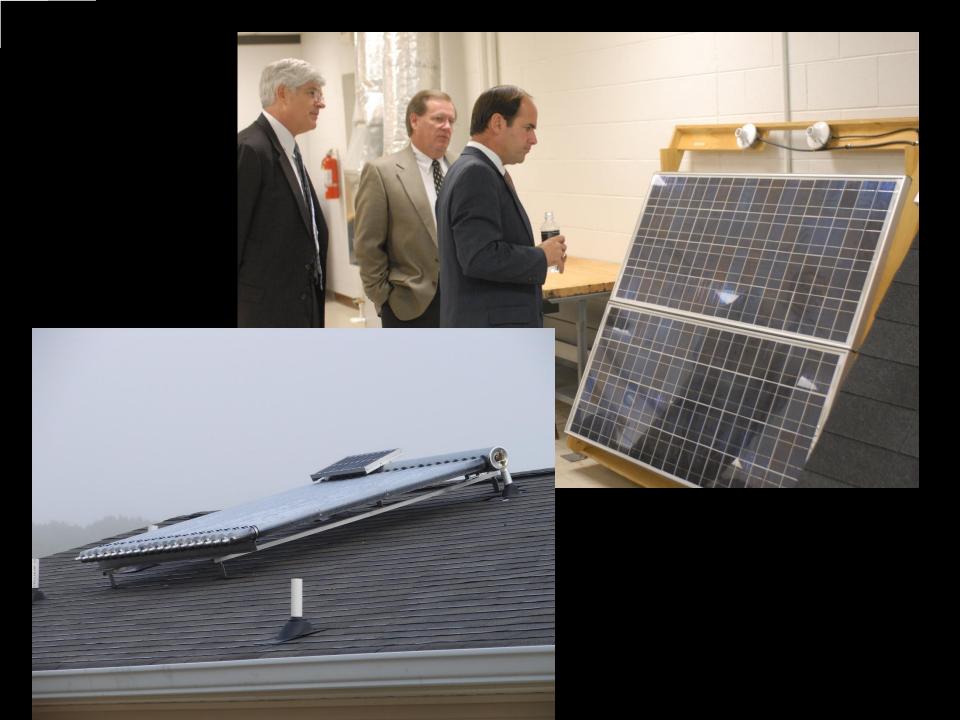
afr Habitat for Humanity*



Industrial Technology

- Measurements & Calculations
- Introduction to Technology Other
- · English Composition
- Math
- Physics
- Public Speaking
- · Humanities & Social Science Electives





First HERS Class



8th Grade Career Fair





Excellence in Energy Leadership



(I-r) Dr. Frank McKenzie; Dean of Business and Technology Department; Deputy Commissioner Paul Sloan, Allan Gentry; Technology Department Chair and Program Administrator, Bob Lantz; Technology Associate Professor-Retired, Program Originator, Dr. Carl Hite; College President, Lori Munkeboe; Director of the Office of Environmental Assistance



Excellence in Energy Leadership

Cleveland State Community College



Governor's Environmental Stewardship Awards

Excellence in Environmental Education and Outreach

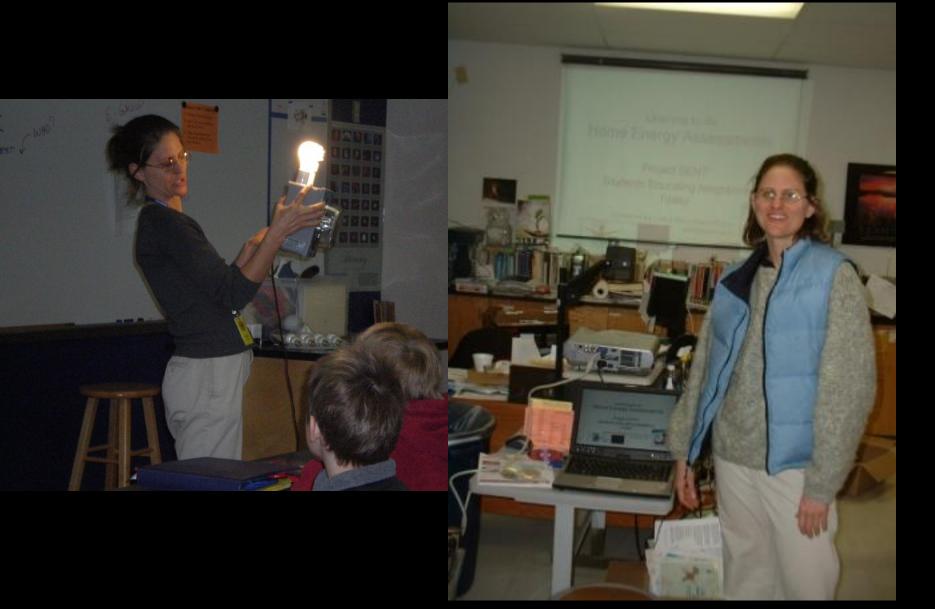
Youth Initiative















Excellence in Environmental Education and Outreach



(I-r) Deputy Commissioner Paul Sloan, Jennifer Barrie; Youth Initiative Director, Kilowatt Ours, Lori Munkeboe;

Director of the Office of Environmental Assistance

Excellence in Environmental Education and Outreach

Youth Initiative





Governor's Environmental Stewardship Awards



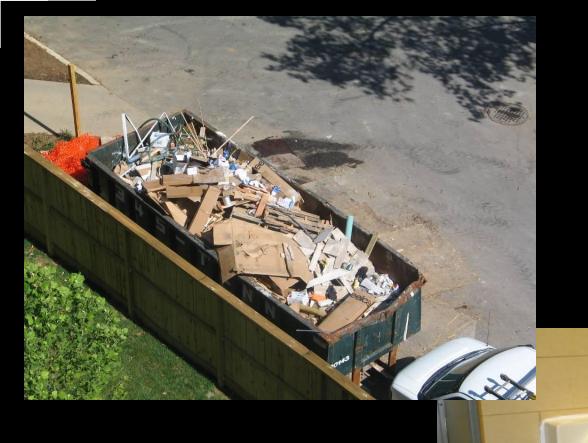
Green Schools: Higher Education

Vanderbilt University
The Commons

STREET DINGS BICK & FROMO ADDITIONS Dining Center LEGEND Renovated Buildings New Construction THE COMMONS AT VANDERBILT

The Commons Site

- 5 new residence houses
- 5 renovated residence houses
- CommonsCenter
- New utility infrastructure and chiller plant



65% to 70% of demolition and construction waste was recycled, diverting waste from the landfill

Waterless Urinals saves up to 40,000 gallons of water in a single year



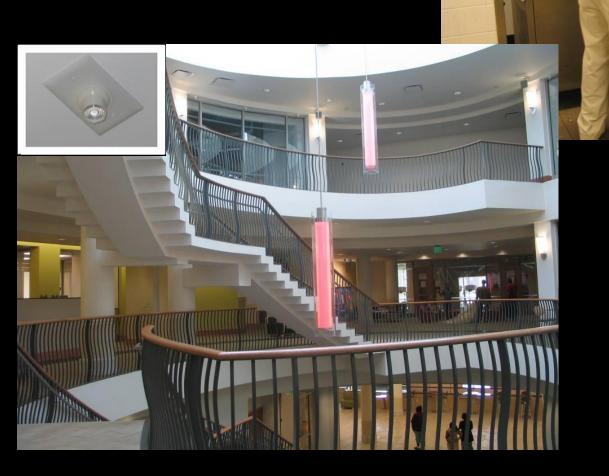


Recycled Content in Materials:
Drywall-94% post industrial & 5% post consumer Steel-95% recycled content Carpet - recycled content





Final rinse water is reused for the dirty dish wash



Daylight Harvesting uses a lighting control system with sensors that turn off light fixtures when there is enough daylight in the building.

Dual Flush Toilets provide options for more or less water per flush.



Low-flow faucets reduce water used and automatic sensors cut water off shortly after use.

Green Schools: Higher Education



(I-r) Deputy Commissioner Paul Sloan, Dr. Frank Wcislo; Dean of the Commons at Vanderbilt, Lori Munkeboe; Director of the Office of Environmental Assistance



Green Schools: Higher Education

Vanderbilt University
The Commons



Governor's Environmental Stewardship Awards



Green Schools: K-12

The Harpeth Hall School



The Harpeth Hall School





Upper School and Middle School Green Teams







The Harpeth Hall School was certified as an arboretum by the Tennessee Urban Forestry Council.



Green Awareness Week

Walking and Biking to school





BORDAN



Green Schools: K-12



(I-r) Deputy Commissioner Paul Sloan, Anne King; Director of Finance and Operations Lori Munkeboe: Director of the Office of Environmental Assistance



Green Schools: K-12

The Harpeth Hall School





Governor's Environmental Stewardship Awards



Excellence in Greenways and Trails

Peterson Lake Nature Area Town of Collierville

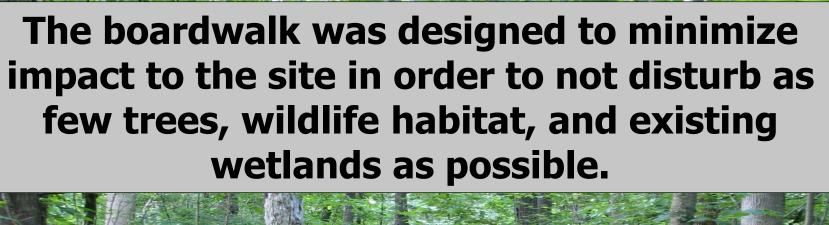


The boardwalk includes an overlook of the Wolf River (approximately 12,000 yrs old)













Excellence in Greenways and Trails



(I-r) Deputy Commissioner
Paul Sloan, Vice Mayor
Mauren Fraser for the Town
of Collierville, Greg Clark;
Director – Collierville Parks,
Recreation, & Cultural Arts,
Lori Munkeboe; Director of
the Office of Environmental
Assistance, Bob Richards;
Greenways and Trails
Coordinator, TDEC



Excellence in Greenways and Trails

Peterson Lake Nature Area Town of Collierville



Governor's Environmental Stewardship Awards

Excellence in Hazardous Waste Reduction



Johns Manville Etowah









Melter Abatement System







Excellence in Hazardous Waste Reduction



(I-r) Deputy Commissioner Paul Sloan, Eusebio Roman; Etowah Plant Manager, Lori Munkeboe; Director of the Office of Environmental Assistance

Excellence in Hazardous Waste Reduction



Johns Manville Etowah



Governor's Environmental Stewardship Awards



Excellence in Natural Heritage Conservation

Tennessee's Wild Side

Whooping Cranes



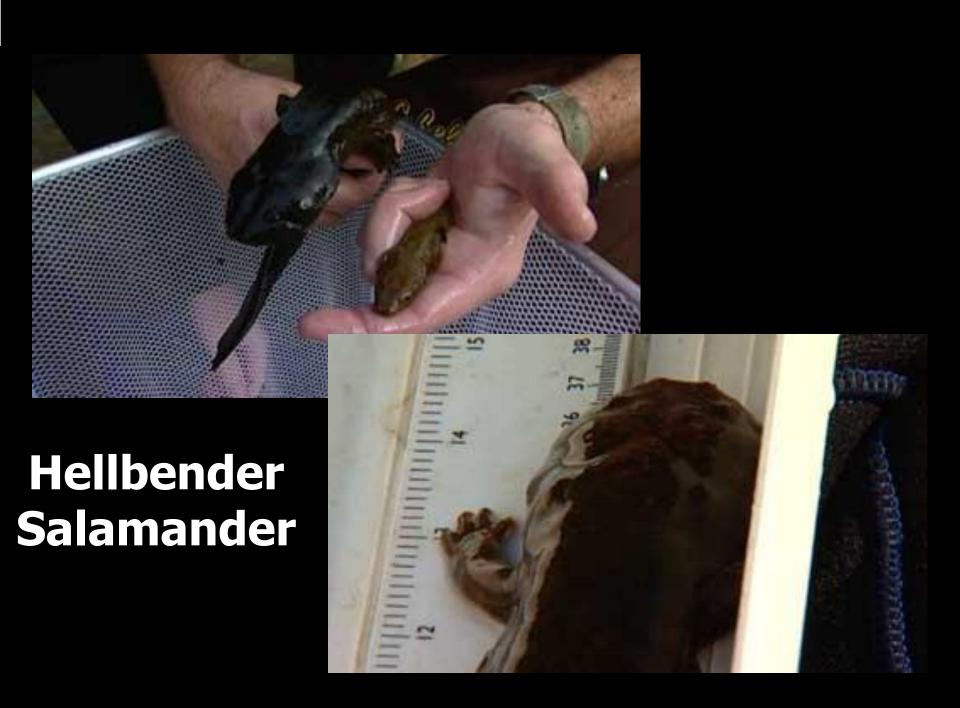


Gray Bats



Painted Snake Coiled Forest Snail

Native Chestnut Trees





Box Turtle

Bog Turtle





Burrowing Crayfish

Eggert's Sunflower



West TN Hummingbirds

Tennessee Turkey



Excellence in Natural Heritage Conservation



(I-r) Deputy Commissioner Paul Sloan, Alan Griggs; Producer and Wild Side Guide, Lori Munkeboe; Director of the Office of Environmental Assistance



Excellence in Natural Heritage Conservation

Tennessee's Wild Side



Governor's Environmental Stewardship Awards



Excellence in Parks and Recreation

Bell Buckle Park Town of Bell Buckle







After





After



After



Excellence in Parks and Recreation



(I-r) Deputy Commissioner Paul Sloan, Bell Buckle Mayor Dennis Webb, Bell Buckle Park Chairman Jenny Hunt, Bell Buckle Park Board member Florence Hall, Bell Buckle Park Board member Larry Lowman, Lori Munkeboe; Director of the Office of Environmental Assistance





Excellence in Parks and Recreation

Bell Buckle Park Town of Bell Buckle



Governor's Environmental Stewardship Awards



Excellence in Pollution Prevention

Bridgestone Firestone North American Tire Warren Plant





- 30 Automatic Guided Vehicles converted from Ni-Cad to Hydrogen Fuel Cells
- 3.6 MMKWH/yr savings
- Eliminates cadmium battery packs







Hydrogen Fuel Dispensing

3,400 fixtures changed out, saving roughly 3,000 tons of CO₂ and \$270,000 per year in electricity





Governor Bredesen presents TP3 Performer Flag and Volunteer STAR award to Warren Plant in 2006

While the "touch-less" features of the Green Restroom save in water, paper towel and soap usage.







Excellence in Pollution Prevention



(I-r) Deputy Commissioner Paul Sloan, Sean Fisher; Environmental Manager, Ron Brooks; Plant Manager, Muneer Chowdhury; Facilities Manager, Vern Duncan; Plant Engineer, Lori Munkeboe; Director of the Office of Environmental Assistance



Excellence in Pollution Prevention

Bridgestone Firestone North American Tire Warren Plant



Governor's Environmental Stewardship Awards



Excellence in Solid Waste Reduction

U.S. Fence Bulls Gap





Identified Opportunities



Resolved Problems







U.S. Fence has reduced the amount of SOLID WASTE dumped in landfills by 104,318 Cu/Yds Annually!



Excellence in Solid Waste Reduction



(I-r) Deputy Commissioner Paul Sloan, Michael Jarnigan; Environmental Health & Safety Manager, Jayme Whittemore; Inventory Control Lead, Geremy Golden; Production Manager, Matt Urnick; Accounting Clerk, Dean Duva; Health, Safety & Environmental Coordinator, Wayne Lucas; Purchasing Specialist, James Carico; Commodities Buyer, Lori Munkeboe; Director of the Office of Environmental **Assistance**



Excellence in Solid Waste Reduction

U.S. Fence Bulls Gap



Governor's Environmental Stewardship Awards





Jimmy Palmer, Regional Administrator U.S. EPA Region 4



Tennessee's School Chemical Cleanout Campaign receives EPA National Notable Achievement Award



TDEC receives EPA National Leadership Award for establishing 384 high-quality TMDLs for 2006.



Palmer brings EPA Administrator Steve Johnson to town to meet with 2007 Governor's Award Green Building winners at their Morgan Park Place location



TDOT and Southeast Diesel Collaborative receive EPA National Leadership Award



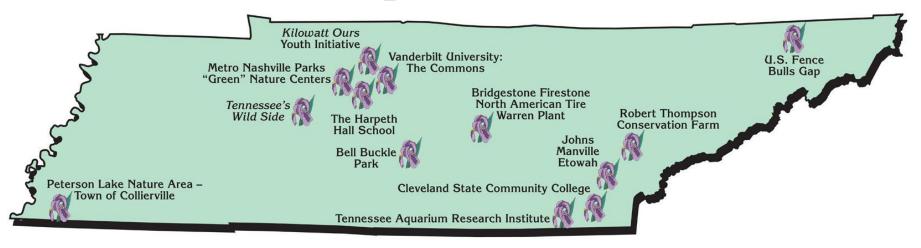


Jimmy Palmer, Regional Administrator U.S. EPA Region 4

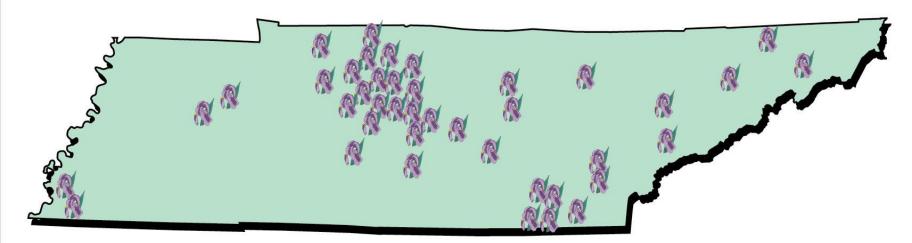


Governor's Environmental Stewardship Awards

2008 Governor's Environmental Stewardship Award Winners



Community of Governor's Award Winners



2006 Governor's Environmental Stewardship Award Winners

Agriculture/Forestry Univ. of Tennessee's Horneyhead Creek Restoration Aquatic Resource Preservation Red River Watershed Association **Building Green** Cumberland River Compact's BOB project Energy Leadership Panther Creek State Park Environmental Education and Outreach **Great Smoky Mountains Institute at Tremont** Green Schools: K-12 **Huntingdon Primary School** Green Schools: Higher Education Rhodes College Bike Program Greenways and Trails Tennessee Central Heritage Trail Hazardous Waste Management - Large Fort Campbell's Pollution Prevention Operation Center Hazardous Waste Management - Small Hamilton Co. Schools Chemical Cleanout Campaign Natural Heritage Conservation Stones River National Battlefield Restoration Parks and Recreation Burgess Falls State Park Native Butterfly Garden Pollution Prevention Vanderbilt University's Workplace Commuters Project

Robert Sparks Walker Lifetime Achievement Award

Happy Birdsong

2007 Governor's Environmental Stewardship Award Winners

Agriculture/Forestry Raymond Cooper Farm in Cannon County Aquatic Resource Preservation Sevenmile Creek - Ellington Campus Restoration Project Building Green Morgan Park Place, Phase One Energy Leadership Johnson City Iris Glen Gas to Energy Partnership Environmental and Education Outreach Tennessee Valley Earth Partnership EarthFest Green Schools: K-12 West Carroll Elementary Green Schools: Higher Education Middle Tennessee State University WaterWorks! Greenways and Trails Maury County Parks & Recreation Tony's Trail Hazardous Waste Reduction Pull-A-Part Nashville Natural Heritage Friends of Beaman Park Parks and Recreation City of Chattanooga Renaissance Park Pollution Prevention Tricycle, Inc. in Chattanooga Robert Sparks Walker Lifetime Achievement Award Bertha Chrietzberg

2008 Governor's Environmental Stewardship Award Winners

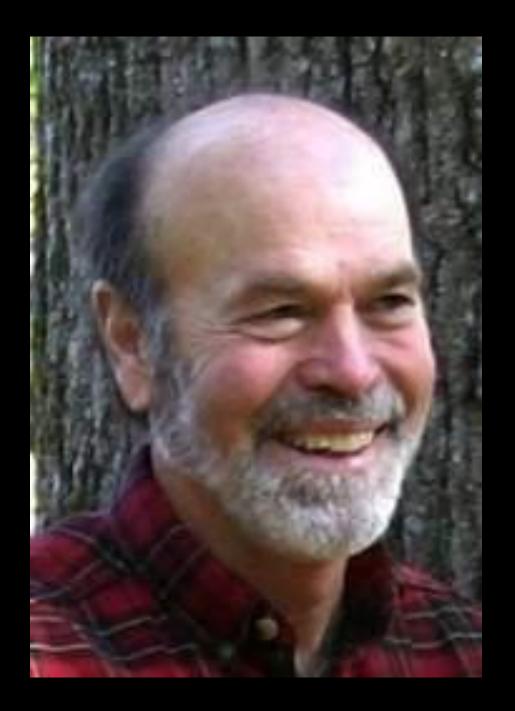
Agriculture/Forestry Robert Thompson Conservation Farm in Niota Aquatic Resource Preservation Tennessee Aquarium Research Institute Building Green Metro Nashville Parks "Green" Nature Centers Energy Leadership Cleveland State Community College Environmental and Education Outreach Kilowatt Ours Youth Initiative Green Schools: K-12 The Harpeth Hall School Green Schools: Higher Education Vanderbilt University Greenways and Trails Peterson Lake Nature Area - Town of Collierville Hazardous Waste Reduction Johns Manville Facility in Etowah Natural Heritage Tennessee's Wild Side Parks and Recreation **Bell Buckle Community Park** Pollution Prevention Bridgestone Firestone North American Tire Warren Plant Solid Waste Reduction U.S. Fence Facility in Bulls Gap Robert Sparks Walker Lifetime Achievement Award

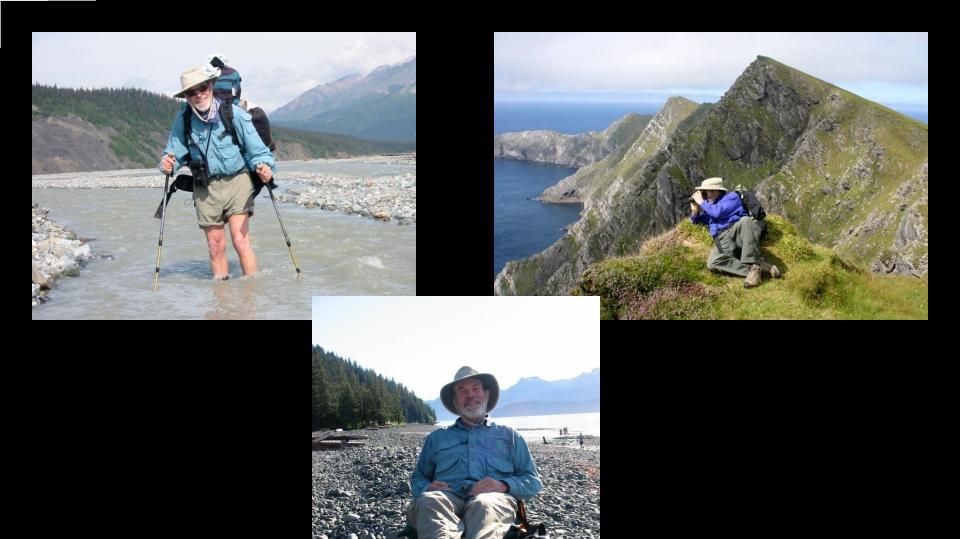


Robert Sparks Walker Lifetime Achievement Award

John H. Noel III

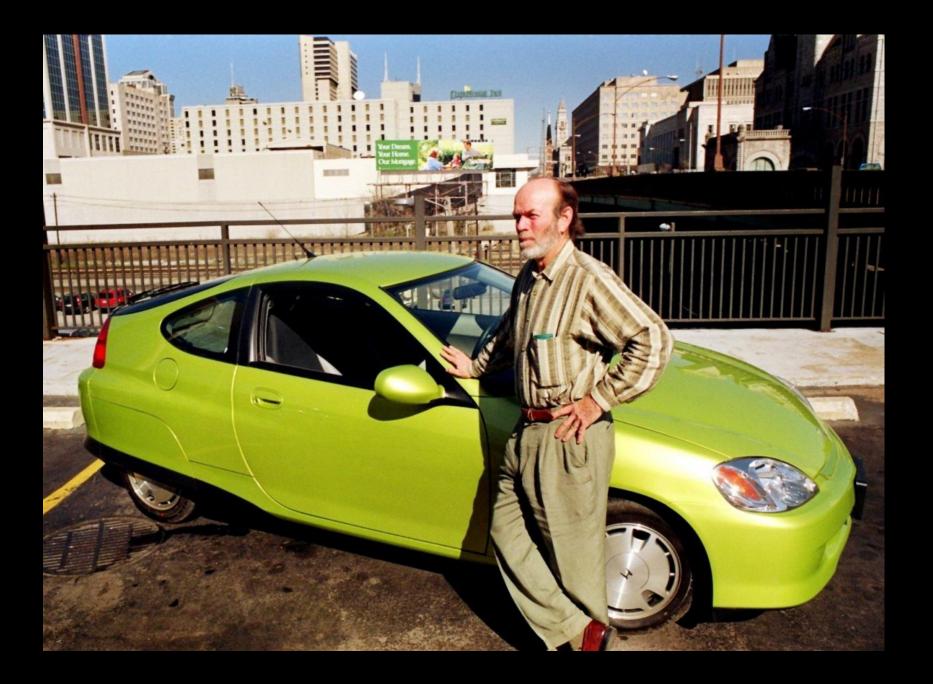








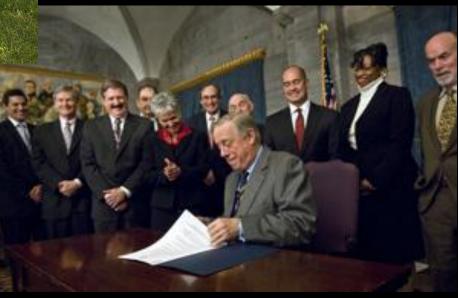






Earth Day 2005

Governor's Task Force on Energy Policy







John Noel State Natural Area at Bon Aqua





Robert Sparks Walker Lifetime Achievement Award



(I-r) Deputy Commissioner Paul Sloan, John H. Noel III, Lori Munkeboe; Director of the Office of Environmental Assistance



Robert Sparks Walker Lifetime Achievement Award

John H. Noel III



Governor's Environmental Stewardship Awards



The Tennessee Department of Environment and Conservation thanks:

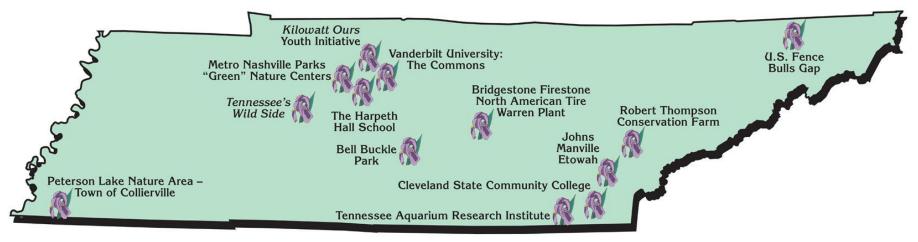
Ellington Agricultural Center

Montgomery Bell State Park

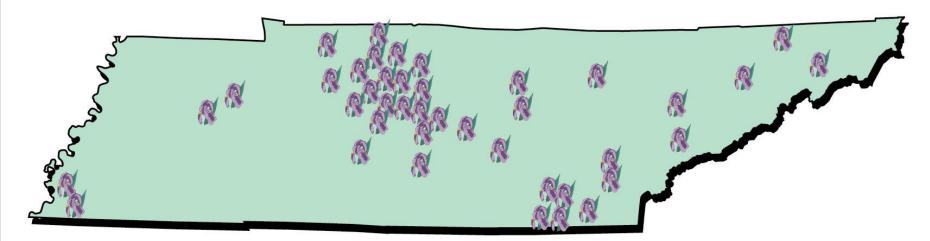
The Tennessee Conservationist

Bobby Fulcher and Brian Vollmer

2008 Governor's Environmental Stewardship Award Winners



Community of Governor's Award Winners



2006 Governor's Environmental Stewardship Award Winners

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